

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
14 December 2000 (14.12.2000)

PCT

(10) International Publication Number
WO 00/76120 A3

(51) International Patent Classification⁷: **H04L 29/06**

(21) International Application Number: **PCT/EP00/05093**

(22) International Filing Date: 5 June 2000 (05.06.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
9913195.5 7 June 1999 (07.06.1999) GB

(71) Applicant (for all designated States except US): **NOKIA MOBILE PHONES LIMITED [FI/FI]**; Keilalahdentie 4, FIN-02150 Espoo (FI).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MULLER, Thomas** [DE/DE]; Laerstrasse 50, D-44803 Bochum (DE). **ROTER, Martin** [DE/DE]; In Der Rohde 24, D-44869 Bochum (DE).

(74) Agents: **HIGGIN, Paul et al.**; Nokia IPR Dept., Nokia House, Summit Avenue, Southwood, Farnborough, Hampshire GU14 0NG (GB).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

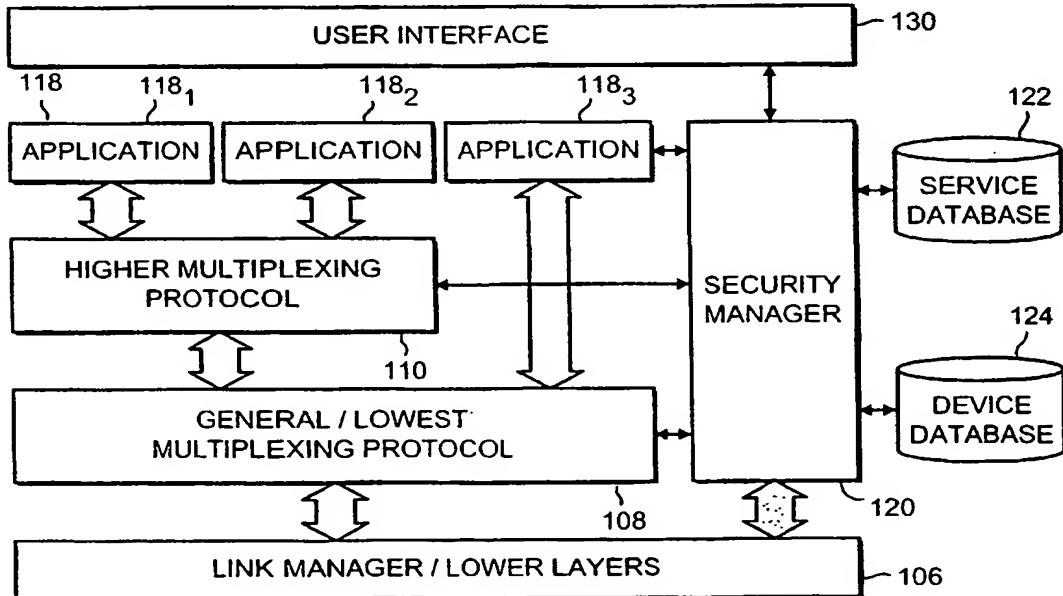
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

— With international search report.

[Continued on next page]

(54) Title: SECURITY ARCHITECTURE



WO 00/76120 A3

(57) Abstract: A device for communicating with other devices to allow them to access applications, comprises: at least a first application; authentication means for authenticating a communicating device; and access control means accessible by a communicating device requesting access to the first application without the communicating device having been authenticated by the authentication means. The device is further arranged to arbitrate whether access of the communicating device to the first application is granted or refused wherein if the arbitration requires an authentication of the communicating device, the access control means instructs the authentication means to authenticate the communicating device.



(88) Date of publication of the international search report:
5 July 2001

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

Interr. Application No

PCT/EP 00/05093

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L29/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	WO 00 56105 A (SONERA SMARTTRUST OY ; VATANEN HARRI (GB)) 21 September 2000 (2000-09-21) abstract page 1, line 3 - line 7 page 3, line 25 -page 6, line 6 ----	1,28,30, 31
A	HAARTSEN J: "BLUETOOTH - THE UNIVERSAL RADIO INTERFACE FOR AD HOC, WIRELESS CONNECTIVITY" ERICSSON REVIEW, SE, ERICSSON. STOCKHOLM, no. 3, 1998, pages 110-117, XP000783249 ISSN: 0014-0171 abstract page 117, left-hand column, line 51 -right-hand column, line 25 ----	1-31

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

8 document member of the same patent family

Date of the actual completion of the international search

18 January 2001

Date of mailing of the international search report

25/01/2001

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.
Fax: (+31-70) 340-3016

Authorized officer

Adkhis, F

INTERNATIONAL SEARCH REPORT

Interr Nat Application No

PCT/EP 00/05093

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>HAARTSEN J ET AL: "BLUETOOTH: VISION, GOALS, AND ARCHITECTURE" MOBILE COMPUTING AND COMMUNICATIONS REVIEW, US, ACM, NEW YORK, NY, vol. 2, no. 4, 1 October 1998 (1998-10-01), pages 38-45, XP000784002</p> <p>abstract</p> <p>page 44, left-hand column, line 18 -right-hand column, line 13</p> <p>-----</p>	1-31

INTERNATIONAL SEARCH REPORT

...ormation on patent family members

Intern nal Application No

PCT/EP 00/05093

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0056105	A 21-09-2000	NONE	